

# LEAFSEAL F310

## A TWO COMPONENT SOLVENT FREE EPOXY COATING

### PRODUCT DESCRIPTION

LeafSeal F310 is a high performance developed specifically as chemicals and an abrasion resistant for areas with light or high traffic; two component solvent-free colored epoxy coating. It makes for industrial floors dust free, joint less, glossy finishing and available in a wide range of attractive colors.

### FEATURES AND BENEFITS

- Seamless, monolithic application
- Solvent Less, Low odor – and V.O.C
- Hygienic, easy to clean
- High chemical resistance to wide range of chemicals
- Abrasion resistant, against medium traffic and trolley movement
- Hard wearing floors finish
- Wide range of colors

### SUBSTRATE PREPARATION

Substrate concrete or screed should be a minimum of compressive strength 25MPa and adhesive (pull-off) strength of minimum 1.5MPa. The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure.. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hollows should be properly remedied. If moisture content in concrete higher than 5% damp tolerance primer must be applied.

### PRIMING

Please refer to LeafSeal F300 technical datasheet.

### MIXING

Stir Part A mix for 30 seconds by using a suitable electrical low speed drill mixer (500 rpm) with and including non-aerating steel paddle such as jiffy paddle. Add all of Part B (Hardener) and mix both liquid parts thoroughly for 2 minute until it fully achieved a homogeneous.

### Mixing ratio by weight

Part A : Part B = 4 : 1

### INSTALLATION

- Apply LeafSeal F300 Primers for sealing well the substrate porosity
- Usually within 6-24 hours; After LeafSeal F300 Primers cured and allow the application of LeafSeal F310
- Start to apply LeafSeal F310 onto primed areas 2 coats are recommended. Apply time between layers ranges from 6-24 hours (depending on environmental temperature and humidity).
- Apply LeafSeal F310 within the pot life (working time), can be applied by brush or roller

### CLEANING

Clean all tools and equipment immediately with acetone, xylene or solvent.

### TEMPERATURE CONDITIONS OF INSTALLATION

- Do not apply when the relative humidity exceeds 75% RH
- Do not apply temperatures below 5°C and temperatures above 40°C

### MAINTENANCE AND CARE AFTER CURE

We recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a

single or double headed rotary scrubber drier in conjunction with alkaline detergent.

Curing time:	30°C
Human Traffic	48 hours
Light Traffic	4 days
Fully chemicals cure	7 days

## PRECAUTIONS

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. If mixed resin comes into contact with skin it must be removed before it hardens with a resin removing cream such as kercleanse standard grade, Skin Cleanser, followed by washing with soap and water. Do not use solvent. Do not expose to flames or other sources of ignition. No smoking allowance.

## PACKAGING & STORAGE

- 20 kg/set (part A: 16 kg, part B: 4 kg).
- LeafSeal F310 should be stored in a covered area protected against sunlight and UV radiation.

## SHELF LIFE

12 months if kept in proper storage area follow instructions.

## TECHNICAL DATA

Property	Typical Value
Colour	RAL K5 Classic
Number of Coats	2
Bond strength	> 1.5 MPa(concrete failure)
Mixing ratio	4 : 1 by weight
Pot life (working time)	40 min
Temperature Resistance	Up to 70°C
Compressive strength (28 days)	50 MPa
Flexural strength	30 MPa
Shelf life	12 months
Shore D hardness	65
Chemical resistance to concentrations (10% NaCl, 40% NaOH ) Grease resistant Acid Resistance (40% H <sub>2</sub> SO <sub>4</sub> )	Very Good
Finishing	Gloss
Material consumption (mixed)	4 – 6 m <sup>2</sup> /kg/coat
Dry film thickness (DFT)	100 µm/coat

## USER NOTES

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with LeafSeal's instructions and in applications for which they are intended.

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